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## HGDAT: High-speed data transmission systems

The characteristics of highly integrated high-speed data transmission systems for future wireless communication standards are high mobility, reliability, and high performance. Within the HG-DAT project relevant bottlenecks in existing design flows will be identified and eliminated. This covers not only system and circuit level but also design kit capability. An optimized platform will be created allowing the efficient design of well-partitioned highly-integrated data transmission systems. The platform includes the development and modeling of flexible RF-IP building blocks which can be easily adapted to different system topologies or to new process setups. Design solutions which enable system testability and consider disturbing effects and process tolerances will be worked out. For the RF design process the automation of selected "high effort tasks" is intended in order not to increase the design cycle time.

### Funding initial:

BMBF F&E 01M3054

### Project Information

#### Runtime:

Tue, 01 May 2001 - Wed, 30 April 2003

[Final Report](#)

NL 02 2003 (PN)

NL 01 2003 (PN)

[NL 02 2002 \(PB\)](#)

NL 01 2002 (PN)

#### Website:

### Used Abbreviations

Abbreviation	Meaning
PR	Project Report
SPR	Short Project Report
PN	Project News
FPR	Final Project Report

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Source URL: <https://project.edacentrum.de/en/projects/HGDAT>